



ALL EARTHING REQUIREMENTS MUST MEET NS116 "DESIGN STANDARDS FOR DISTRIBUTION EARTHING"

REAR ELEVATION
SCALE 1:25

END ELEVATION
SCALE 1:25

ITEM	DESCRIPTION	QTY	ORG. No	REV	STOCK CODE	QTY	
79	CURRENT TRANSFORMER - OUTDOOR FRAME LEAKAGE CT	1					
78	PARALLEL GROOVE CLAMP COVER	144576	4				
76	LUG BI-METAL COMPRESSION 7/4.75	176472	9				
75	CABLE CCT 120 7/4.75 120mm ² AL	147421	A/R				
74	INSULATOR 22kV PIN	H21531	1				
73	LINK PLATE - TWISTED	176901	3				
72	INSULATOR 22kV LONGROD	150375	3				
71	EARTH STUBB MKEDOWN	H10845	1				
70	EARTH BAR - 50.0mm TANNED HD COPPER (SEE DETAIL C)	179661	1				
69	LINK - SAG 70KN I/P PART No CTSLEW-070-11	PURCHASE	3				
68	COVER - STRAIN CLAMP	144543	3				
67	CLAMP - CONDUCTOR STRAIN FOR CCT120	144527	3				
66	INSULATOR - STRAIN ROD	144552	8				
65	INSULATOR - STRAIN ROD	144550	3				
64	PIN PATTERN C	75697	10				
63	CLOUT - GALVANISED Ø2.3 x 40	50963	A/R				
62	WASHER - M10 x 2mm x 1.2mm STAINLESS STEEL	49411	30				
61	WASHER - M10 SPRING STAINLESS STEEL	50120	15				
60	NUT - M10 HEX STAINLESS STEEL	H39401	15				
59	BOLT - M10 x 4.0 HEX STAINLESS STEEL	45096	15				
58	WASHER - M12 CONICAL GALVANISED	H39639	14				
57	WASHER - M12 SPRING GALVANISED	H12047	26				
56	WASHER - M12 FLAT GALVANISED	H77982	20				
55	WASHER - M16 CONICAL GALVANISED	H39647	19				
54							
53	WASHER - M16 FLAT GALVANISED	H77984	30				
52	WASHER - M20 CONICAL GALVANISED	H39655	9				
51	WASHER - M20 SPRING GALVANISED	175569	2				
50	WASHER - M20 50mm SQUARE GALVANISED	H39265	8				
49	WASHER - M20 75mm SQUARE GALVANISED	H39231	12				
48	WASHER - M24 CONICAL GALVANISED	H39663	4				
47	WASHER - M24 SPRING GALVANISED	ORDER	4				
46	WASHER - M24 FLAT GALVANISED	H77981	8				
45	WASHER - M24 50mm SQUARE GALVANISED	H39273	4				
44	COACH SCREW - M12 x 100 GALVANISED	H42084	3				
43	U BOLT - M16 SIZE 3 GALVANISED	H36932	4				
42	STAPLES - GALVANISED 3.15mm x 25mm	175601	A/R				
41	BOLT & NUT - M12 x 50 HEX GALVANISED	46391	24				
40	BOLT & NUT - M12 x 140 HEX GALVANISED	46821	16				
39	BOLT & NUT - M12 x 260 HEX GALVANISED	H37637	4				
38	BOLT & NUT - M16 x 200 HEX GALVANISED	83725	6				
37	BOLT & NUT - M16 x 4.0 HEX GALVANISED	175674	8				
36	BOLT & NUT - M20 x 50 HEX GALVANISED	46573	2				
35	BOLT & NUT - M20 x 260 HEX GALVANISED	47126	4				
34	BOLT & NUT - M20 TO SUIT POLE HEX GALVANISED	515465	8	SECT.11	5		
33	BOLT & NUT - M24 x 65 HEX GALVANISED	ORDER	6				
32	BOLT & NUT - M24 x 500 HEX GALVANISED	515465	8	H11538	2		
31	CONNECTOR - 'P' CRIMP BURNDY EARTH	H31699	A/R				
30	POLE MOUNTED REGULATOR MANUFACTURED STEELWORK	181618	2				
29	PROTECTOR COVER EARTH GRID 2700mm BLACK	157552	2				
28	ROD - GROUND EARTH 1800 x 15mm COPPERCLAD	H31631	mm3				
27	COMMUNICATIONS COAXIAL CABLE (TO BE INSTALLED BY COMMS SECTION)						
26	CLAMP - 3 BOLT PARALLEL GROOVE - ALUMINIUM	144568	3				
25	PARALLEL GROOVE CLAMP 3 BOLT BI-METAL 35mm ² - 185mm ² AL/CU	176491	A/R				
24	CROSSARM 2700 x 150 x 100	183394	5	H23761	1		
23	LUG - 70mm ² COMPRESSION M12 HOLE	74831	26				
22	CABLE - CU EARTH 70mm ² 19/2.14 PVC INSULATED	60111	A/R				
21	WIRE - TIE, PREFORMED, INSULATED FOR CCT120	144600	3				
20	EYEBOLT - M20 x 200mm GALVANISED	H37881	3				
19	LINK SYSTEM NUMBERS						
18	BOLT & NUT M24 x 90 HEX GALVANISED	PURCHASE	2				
17	COVER - CONNECTOR INSULATING SHROUD	116715	6				
16	STEP - POLE 16mm DRIVE IN	517698	5	H17720	A/R		
15	SIGN - "DANGER HIGH VOLTAGE"	503117	5	H47012	2		
14	BRACKET - MOUNTING - 100mm GAIN BLOCK	146274	4				
13	CROSSARM 2700 x 150 x 100	183394	4	H32371	1		
12	CROSSARM 1200 x 75 x 100	183394	4	71795	2		
11	LIGHTNING ARRESTER UNIT - 11kV	111948	3				
10	ISOLATING LINK - SINGLE PHASE 12kV 630A	58750	3				
9	COVER - PROTECTOR UNDERGROUND CABLE 150mm	151084	A/R				
8	BRACKET - MOUNTING - 150mm GAIN BLOCK	146290	1				
7	CROSSARM - 3300 x 150 x 100 HARDWOOD	183394	5	H23020	1		
6	11kV THROUGH TERMINATION 2-11	513915	17	SEE DWG	1		
5	BRACE - CROSSARM 690 x 40 x 5mm FLAT BAR	514385	5	H17738	10		
4							
3	REGULATOR CONTROL CUBICLE						
2	REGULATOR UNIT - SINGLE PHASE 100A OR 200A						
1	POLE - 15.5m TPI 12kN CONCRETE 2.8m IN GROUND	152868	1				
ITEM	DESCRIPTION			ORG. No	REV	STOCK CODE	QTY

CAD DRAWING	
DO NOT MANUALLY AMEND	
A M E N D M E N T S	
0	INITIAL ISSUE
DWN	NATALIE SINGLETON
CHKD	PETER STOREY
DATE	11/02/2008
PVC CABLES TO BE INSTALLED TO THE POLE HEIGHT CHANGED FROM 14.0m TO 15.5m	
APPD	By ROSS HUGHES
DWN	NATALIE SINGLETON
CHKD	PETER STOREY
DATE	05/09/2008
ITEM	27 ADDED
APPD	By PETER STOREY
DWN	NATALIE SINGLETON
CHKD	STEPHEN LILLIS
DATE	07/11/2008
L & O LETTERS STOCK LISTS UPDATED	
APPD	By STEPHEN LILLIS

REGULATOR CROSSARM DRILLING DETAIL	183394
NU-LEC RECLOSER CONTROLLING POLE REGULATOR - CONSTRUCTION DETAIL	185711
POLE MOUNTED REGULATOR - GENERAL ARRANGEMENT	182685

ASSOCIATED DRAWINGS	
REGULATOR CROSSARM DRILLING DETAIL	183394
NU-LEC RECLOSER CONTROLLING POLE REGULATOR - CONSTRUCTION DETAIL	185711
POLE MOUNTED REGULATOR - GENERAL ARRANGEMENT	182685

NetWork Solutions

DESIGN
145 NEWCASTLE RD WALLSEND, NSW 2287
TEL 4951 9388 FAX 4951 9389

Enerserve
A Business of EnergyAustralia

SCALE	AS SHOWN
DESIGNED	WILLIAM GRAHAM
DRAWN	NATALIE SINGLETON
CHECKED	PETER STOREY
APPROVED	ROSS HUGHES
DATE	07/01/08
PRJTRK No.	
PROJECT NUMBER	STD

DRAWING No	185172	SHEET	01	AMD	3	SIZE	B1
STANDARD CONSTRUCTION 2 UNIT 11kV POLE MOUNTED REGULATOR WITH POLE MOUNTED CONTROL CONSTRUCTION DETAIL							